



## SEQUENCE LISTING

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<120> ADENO-ASSOCIATED VIRUS-MEDIATED DELIVERY OF ANGIOGENIC  
FACTORS

<130> 0800-0026

<140> 09/932,451

<141> 2001-08-17

<150> 60/226,056

<151> 2000-08-17

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<170> PatentIn Ver. 2.0

<210> 1

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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: VEGF-165

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<221> CDS

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Met	Asn	Phe	Leu	Leu	Ser	Trp	Val	His	Trp	Ser	Leu	Ala	Leu	Leu	Leu	
1				5					10					15		

tac	ctc	cac	cat	gcc	aag	tgg	tcc	cag	gct	gca	ccc	atg	gca	gaa	gga	96
Tyr	Leu	His	His	Ala	Lys	Trp	Ser	Gln	Ala	Ala	Pro	Met	Ala	Glu	Gly	
			20					25					30			

gga	ggg	cag	aat	cat	cac	gaa	gtg	gtg	aag	ttc	atg	gat	gtc	tat	cag	144
Gly	Gly	Gln	Asn	His	His	Glu	Val	Val	Lys	Phe	Met	Asp	Val	Tyr	Gln	
		35					40					45				

cgc	agc	tac	tgc	cat	cca	atc	gag	acc	ctg	gtg	gac	atc	ttc	cag	gag	192
Arg	Ser	Tyr	Cys	His	Pro	Ile	Glu	Thr	Leu	Val	Asp	Ile	Phe	Gln	Glu	
		50				55					60					

tac	cct	gat	gag	atc	gag	tac	atc	ttc	aag	cca	tcc	tgt	gtg	ccc	ctg	240
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atg cga tgc ggg ggc tgc tgc aat gac gag ggc ctg gag tgt gtg ccc 288  
 Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro  
                     85                    90                    95

act gag gag tcc aac atc acc atg cag att atg cgg atc aaa cct cac 336  
 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His  
                     100                    105                    110

caa ggc cag cac ata gga gag atg agc ttc cta cag cac aac aaa tgt 384  
 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys  
                     115                    120                    125

gaa tgc aga cca aag aaa gat aga gca aga caa gaa aat ccc tgt ggg 432  
 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly  
                     130                    135                    140

cct tgc tca gag cgg aga aag cat ttg ttt gta caa gat ccg cag acg 480  
 Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr  
                     145                    150                    155                    160

tgt aaa tgt tcc tgc aaa aac aca gac tgc cgt tgc aag gcg agg cag 528  
 Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln  
                     165                    170                    175

ctt gag tta aac gaa cgt act tgc aga tgt gac aag ccg agg cgg tga 576  
 Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg  
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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: VEGF-165

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Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly  
                     20                    25                    30

Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln  
                     35                    40                    45

Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu  
                     50                    55                    60

Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu  
                     65                    70                    75                    80

Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys  
 115 120 125

Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly  
 130 135 140

Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr  
 145 150 155 160

Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln  
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Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg  
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 <213> VEGF-specific sense primer

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 <212> DNA  
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